

Ziebach County Rural Development Site Analysis

A Study by
South Eastern Council of Governments

Funded by the South Dakota Value Added Agriculture Subfund

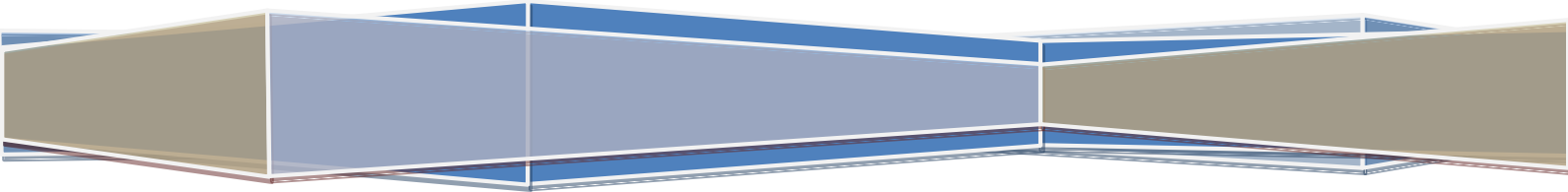


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Summary

Program History

As part of the South Dakota Department of Agriculture's (SDDA) efforts to enhance economic development opportunities and better support local control of development, the County Site Analysis Program (Program) was developed in the summer of 2013. The Program assists participating counties in identifying potential rural properties with site development opportunities. The analysis and subsequent report will provide local leaders with information and research-based resources to foster well informed decisions regarding the future of their respective regions. It also helps identify and plan for potential challenges that may arise should those opportunities be pursued.

In implementing the Program, SDDA is working closely with South Dakota's Planning and Development Districts. The First District Association of Local Governments (First District) and Planning and Development District III (District III) developed a methodology for a feasibility analysis that focuses on identifying locations for rural economic development. The methodology addresses the feasibility of locations for the development of concentrated animal feeding operations, agricultural processing and storage facilities, and other agriculturally-related commercial/industrial development. The analysis takes into consideration local zoning and State permitting requirements along with the availability of infrastructure necessary to accommodate certain rural economic development projects.

The identification of each prospective site's relative advantages and constraints provides decision-makers with useful information for assessing the development potential of each site. The information contained herein has the potential to streamline the marketing process thereby reducing timelines, financial expenditures and labor costs. Local governments, landowners, economic development groups and state agencies such as the Department of Agriculture or Governor's Office of Economic Development all benefit from the rural site development analysis. These entities now have access to a marketing tool based on proactive planning efforts. In addition, the report may assist local governments in updating their comprehensive plans, zoning ordinances and permitting procedures while also increasing local awareness of potential development opportunities.

Methodology

The analysis methodology developed for this study utilized an established set of criteria deemed critical to further development of the subject properties while specifically addressing the suitability of a site for either a concentrated animal feeding operation (CAFO) or an Agriculturally-related Industrial Development (AID). **Table 1** lists the site assessment criteria identified as being necessary in order to conduct analysis of the potential sites. Minimum thresholds for each criterion were utilized to establish a hierarchy classification of "Good", "Better" and "Best" sites. Those sites designated as "Best" sites were those not limited by any of the criteria considered. Sites not meeting the minimum criteria required of the "Best" sites were subsequently identified as "Good" or "Better".

Specific information regarding the Site Assessment Criteria and methodology utilized for developing the "Good", "Better", and "Best" hierarchy may be found in **Appendix I and II**, respectively.

Table 1: Site Assessment Criteria

CAFO/AID Criteria
Access to County and State Road Network
Proximity to Three-phase Electricity Supply
Proximity to Rural Water System
Capacity of Rural Water System
Location of Shallow Aquifer
Existing Zoning Districts/Land Use Plans
Buildable Parcel
County CAFO Zoning Setback Requirements (If applicable)*
Proximity to Rural Residences* & Communities
Proximity to Rail**

*CAFO Assessment Criteria Only

** AID Assessment Criteria Only

Limiting Factors

While this report focuses on the specific sites matching the site assessment criteria standards, it became apparent that each site also possesses its own unique set of site characteristics which present both advantages and constraints. For example, since Ziebach County has not adopted zoning regulations, there were few restrictions on potential CAFO or AID development sites, however many sites lacked the necessary infrastructure.

The analysis found that the primary limiting factor in reviewing the development potential of properties within Ziebach County for a “Better” or “Best” CAFO site development is the availability of quality potable water. The same is true with AID developments which also require a reliable source of not only high quality but also large quantities. Access to a centralized water source such as rural water was a key criterion in the site analysis process. While access to rural water quality water was identified as an impediment, the rural water systems noted that they have plans in place to expand the supply and possibly service area of the water system. Therefore, the analysis does not make the claim that the only sites for CAFO/AID development in Ziebach County be relegated to the specific sites identified herein.

In addition to the availability of quality potable water, additional limiting factors such as access to County and State road networks and rail limited the number of potential AID and CAFO sites. There is the potential of additional limiting factors that are not taken into consideration under the scope of this analysis.

The site assessment process was limited in scope to include undeveloped parcels and did not consider expansion of existing CAFOs or commercial/industrial uses. In addition to this limited scope, minimum values were utilized in ranking each site with regards to infrastructure demands. No attempt was made to rank each site within the three identified classifications. The uniqueness of each criterion identified in Table 1 warrants a comprehensive review of the potential impact each may have upon a subject property. This study is intended as the first step of a multi-faceted development process potentially leading to more specific site evaluations such as Phase 1 Environmental Assessments, engineering plans, development cost analysis, etc.

Results

Identifying and evaluating potential sites for development is the first step in planning for economic development in rural Ziebach County. The findings of this report will assist in determining the potential role each site may play in supporting economic development and should be considered when planning for future projects within Ziebach County.

Utilizing Geographic Information System (GIS) technology, the First District Association of Local Governments identified **147** quarter sections that contained one or more sites within Ziebach County that met the minimum site assessment standards of the CAFO analysis, **Table 2** and **18** quarter sections that contained one or more sites that met the minimum standards of the AID analysis, **Table 3**. These sites were in close proximity to infrastructure necessary to support the previously identified economic development activities.

The CAFO and AID Analysis Maps further detail High Water Use (HWU) and Low Water Use (LWU) CAFO and AID sites. HWU CAFO sites are those locations which require 150,000 gallons of water per day. This amount of water is necessary to support, for example, a 3,000 head dairy. LWU CAFO sites are those locations which require 30,000 gallons of water per day, a volume necessary to support either a 600 head dairy or 5,000 head sow operation. HWU AID sites are those locations which require water at levels necessary to support high water uses such as food processing or ethanol production. The water requirement for a HWU AID site is 410,000 gallons of water per day. This high water use is currently unable to be supported by the rural water system. Therefore, no sites were found to be acceptable for HWU AID. LWU AID sites are those locations which require water at levels necessary to support most agriculturally-related commercial/industrial development, 30,000 gallons per day. Within the identified quarter sections (**500 CAFO and 46 AID**), the analysis identified **0** High Water Use and **169** Low Water Use CAFO sites; whereas, there were **0** High Water Use and **23** Low Water Use AID sites. The following maps provide information at a township level regarding the number of “Good”, “Better” and “Best” CAFO and AID sites.

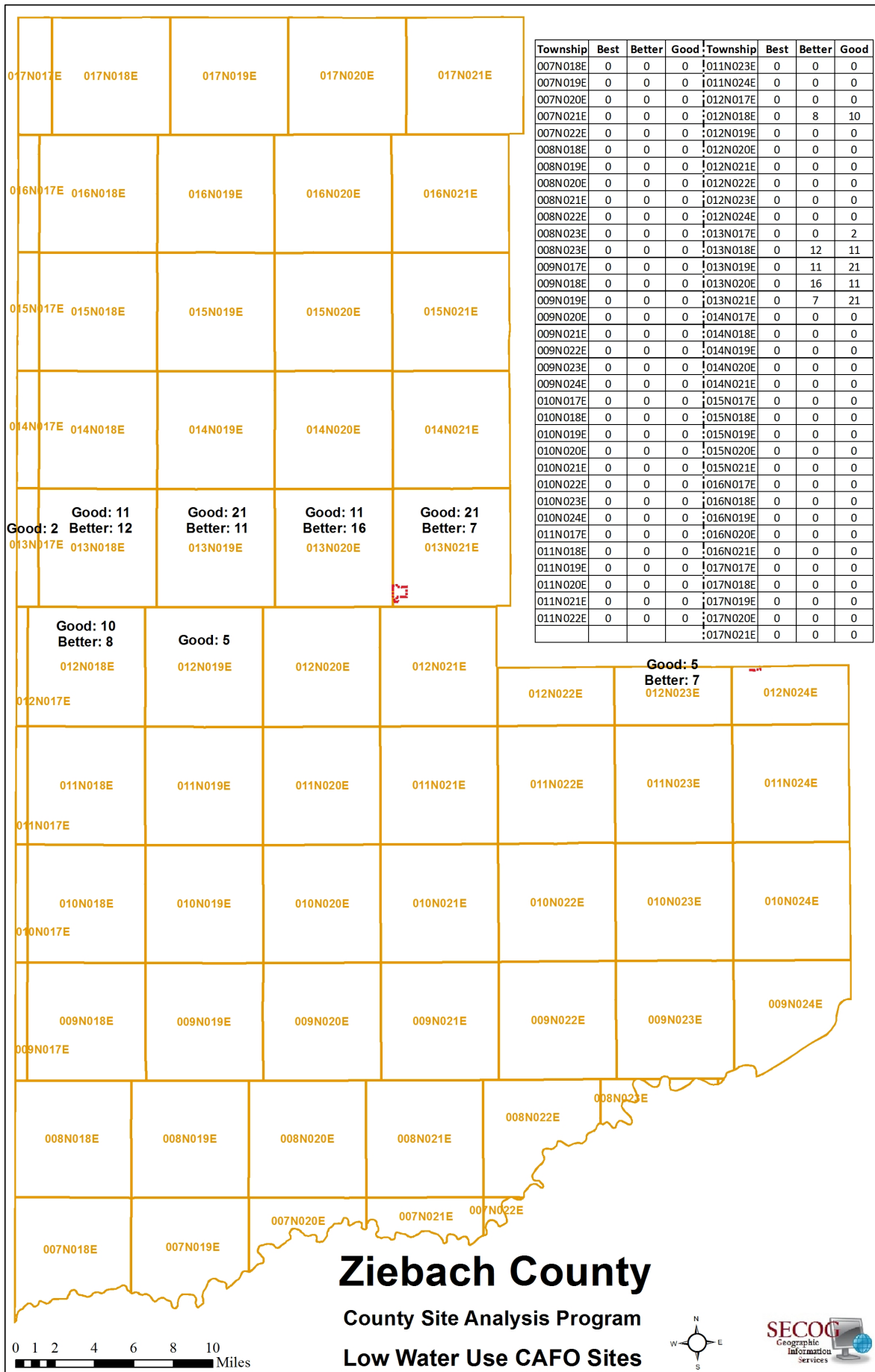
Table 2:
Ziebach County CAFO Sites by Hierarchy Classification

CAFO Site Classification	Good Sites	Better Sites	Best Sites
Low Water CAFO	100	69	0
High Water CAFO	0	0	0

Table 3:
Ziebach County AID Sites by Hierarchy Classification

AID Site Classification	Good Sites	Better Sites	Best Sites
Low Water AID	23	0	0
High Water AID	0	0	0

No High Water CAFO Map – Page Left Blank Intentionally

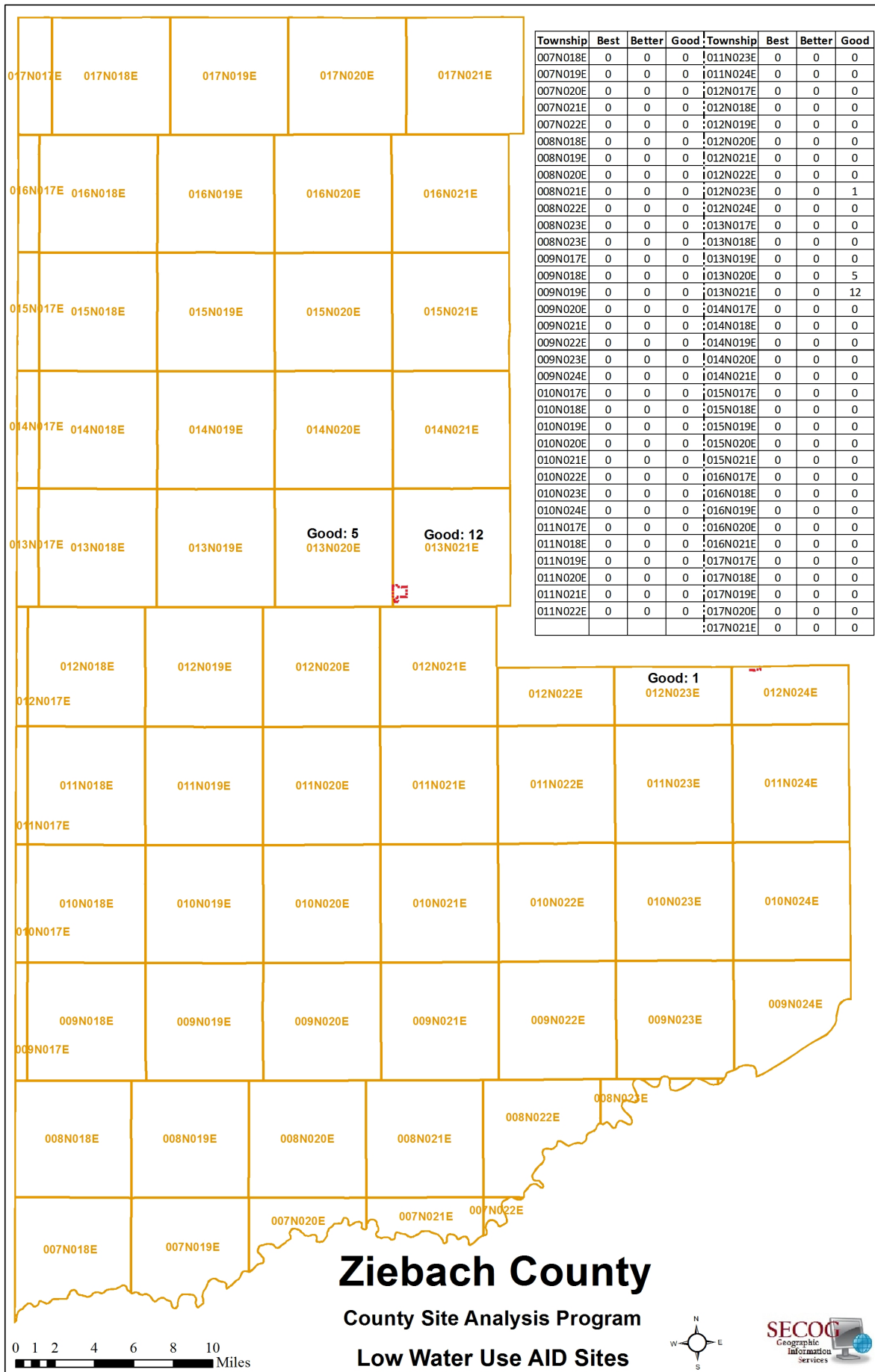


Township	Best	Better	Good	Township	Best	Better	Good
007N018E	0	0	0	011N023E	0	0	0
007N019E	0	0	0	011N024E	0	0	0
007N020E	0	0	0	012N017E	0	0	0
007N021E	0	0	0	012N018E	0	8	10
007N022E	0	0	0	012N019E	0	0	0
008N018E	0	0	0	012N020E	0	0	0
008N019E	0	0	0	012N021E	0	0	0
008N020E	0	0	0	012N022E	0	0	0
008N021E	0	0	0	012N023E	0	0	0
008N022E	0	0	0	012N024E	0	0	0
008N023E	0	0	0	013N017E	0	0	2
008N023E	0	0	0	013N018E	0	12	11
009N017E	0	0	0	013N019E	0	11	21
009N018E	0	0	0	013N020E	0	16	11
009N019E	0	0	0	013N021E	0	7	21
009N020E	0	0	0	014N017E	0	0	0
009N021E	0	0	0	014N018E	0	0	0
009N022E	0	0	0	014N019E	0	0	0
009N023E	0	0	0	014N020E	0	0	0
009N024E	0	0	0	014N021E	0	0	0
010N017E	0	0	0	015N017E	0	0	0
010N018E	0	0	0	015N018E	0	0	0
010N019E	0	0	0	015N019E	0	0	0
010N020E	0	0	0	015N020E	0	0	0
010N021E	0	0	0	015N021E	0	0	0
010N022E	0	0	0	016N017E	0	0	0
010N023E	0	0	0	016N018E	0	0	0
010N024E	0	0	0	016N019E	0	0	0
011N017E	0	0	0	016N020E	0	0	0
011N018E	0	0	0	016N021E	0	0	0
011N019E	0	0	0	017N017E	0	0	0
011N020E	0	0	0	017N018E	0	0	0
011N021E	0	0	0	017N019E	0	0	0
011N022E	0	0	0	017N020E	0	0	0
				017N021E	0	0	0

012N022E	Good: 5 Better: 7 012N023E	012N024E
011N022E	011N023E	011N024E
010N022E	010N023E	010N024E
009N022E	009N023E	009N024E

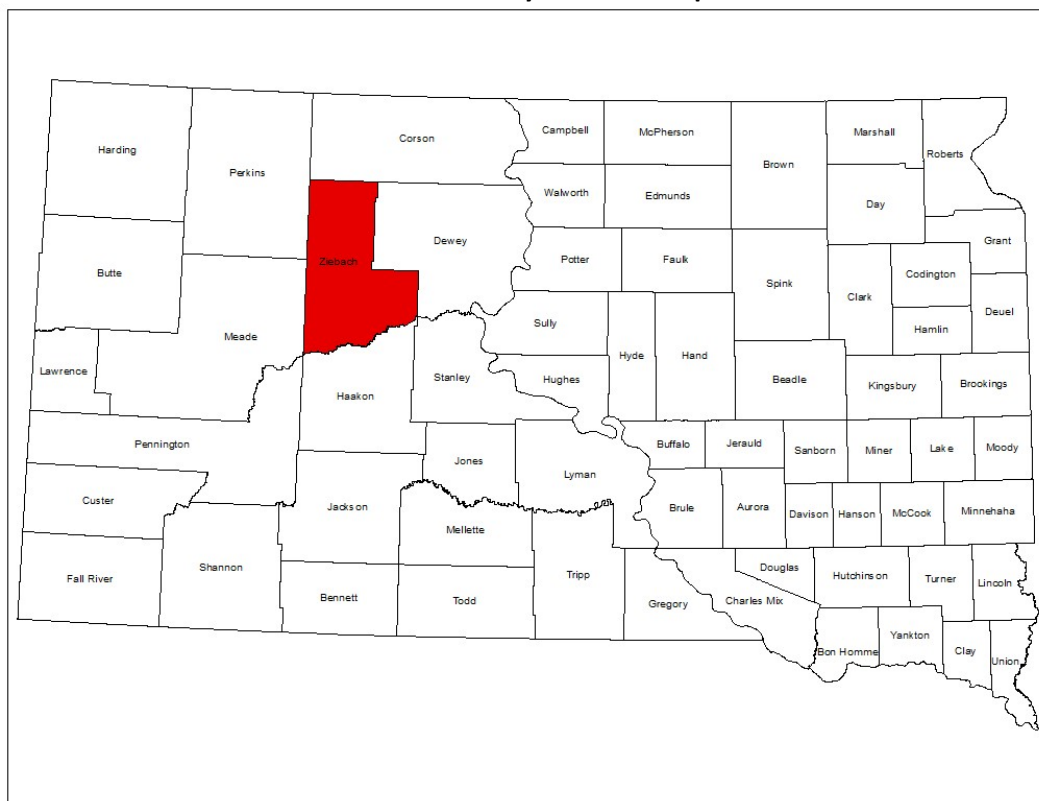
017N017E	017N018E	017N019E	017N020E	017N021E
016N017E	016N018E	016N019E	016N020E	016N021E
015N017E	015N018E	015N019E	015N020E	015N021E
014N017E	014N018E	014N019E	014N020E	014N021E
Good: 2 Better: 12 013N017E	Good: 11 Better: 12 013N018E	Good: 21 Better: 11 013N019E	Good: 11 Better: 16 013N020E	Good: 21 Better: 7 013N021E
Good: 10 Better: 8 012N017E	Good: 5 012N018E	012N019E	012N020E	012N021E
011N017E	011N018E	011N019E	011N020E	011N021E
010N017E	010N018E	010N019E	010N020E	010N021E
009N017E	009N018E	009N019E	009N020E	009N021E
008N017E	008N018E	008N019E	008N020E	008N021E
007N017E	007N018E	007N019E	007N020E	007N021E

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APPENDIX I: SITE ASSESSMENT CRITERIA

Ziebach County Location Map



The methodology developed for this study utilized an established set of criteria deemed critical to further the development of the subject properties while specifically addressing the suitability of a site for either a CAFO or an AID.

Sites possessing all of the criteria identified as critical within the analysis will be those most sought by potential developers. The occurrence of these sites may be somewhat rare. Therefore, sites under consideration for either a CAFO or AID may meet the majority of criteria, but may also be lacking in several specific areas. Any sites not meeting all the criteria may be burdened with a limitation thus requiring more specific analysis. In these cases, the feasibility of developing the site is highly dependent upon the identified limitation(s).

A limiting condition could be the availability of water volume at an identified potential CAFO site. For example, the water demand for a 3,000 head dairy is approximately five times greater than the needs of a 5,000 head sow operation even though each operation could generally be subject to similar zoning regulations. In this situation, the lack of water at a volume necessary for a dairy may lend the site to be more likely identified as a possible location for a swine facility.

It should be noted that neither this example nor the analysis explores potential alternatives to the absence of adequate rural water volume such as upsizing water distribution infrastructure or securing an alternative water source, all of which hold the potential to mitigate this constraint thereby facilitating the proposed development. Rather, the analysis recognizes upgrading infrastructure identified as necessary to support rural economic development projects may increase the number of developable sites within the County. In other cases, failure to meet certain criteria, such as access to a quality road network, may result in a situation where development of the site becomes economically unfeasible.

The site assessment criteria, depending upon whether or not the site is for a CAFO or AID project, have been divided into the three major categories of **Land Use Regulations**; **Environmental Constraints**; and **Infrastructure**.

LAND USE REGULATIONS

Economic development planning in Ziebach County must be conducted in concert with the County's overall economic development goals. All development activities, including those specifically related to agriculture need to be accomplished within the parameters set forth in local and regional planning documents. Land use or development guidance is traditionally provided via local documents such as **Comprehensive Plans, Zoning Ordinances, Policies, Mission Statements** and other local economic development plans and initiatives. If available, the analysis reviewed said documents in order to determine compliance with proposed CAFO and AID development. The following is a synopsis of County policies regarding CAFO and AID development.

Comprehensive Land Use Plan/Zoning Regulations

Ideally, economic developers seek sites that are zoned and eligible for specific uses. Currently, Ziebach County has not adopted a comprehensive land use plan or associated zoning regulations which provide guiding policies regarding the promotion or restriction of specific land use activities. Without zoning regulations, which may restrict the location of CAFO or AID sites, the analysis focused its efforts on identifying those sites that met other necessary criteria.

Buildable Parcel

One criterion deemed necessary to facilitate development of either a CAFO or an AID was land area. A parcel of 40 buildable acres was set as the minimum for consideration within the analysis. In order to be considered, the property must have consisted of 40 contiguous acres and be able to support development upon all 40 acres. Parcels without 40 buildable acres were not considered in the final analysis.

Since Ziebach County does not have a parcel data file that can be used by geographic information systems for analysis, the study was only able to identify quarter-sections containing potential development sites. As such, each quarter section identified in the analysis may contain more than one parcel and/or property owner.

Proximity to Communities

The AID analysis also considered sites within one mile of a community or at specific locations identified by the County. This was done because many communities and counties have established growth plans for economic development within certain proximities of communities or at locations with existing infrastructure such as paved roads. Also since the parameters of the original AID analysis excluded all AID sites within counties without access to rail, the criterion of "proximity to a community" was determined to be an adequate alternative for counties without rail facilities to identify potential AID sites.

ENVIRONMENTAL

If available, the location of shallow aquifers in relation to potential development sites was included in the analysis. In reviewing shallow aquifers it is critical to note that they are included in the analysis for two distinct and very different reasons. Shallow aquifers may be utilized as a potential water source to support development. These same aquifers are also vulnerable to pollution due to their proximity to the surface and may be required to be protected via setbacks and development limitations.

Presently there is no information regarding the occurrence and/or location of shallow aquifer in Ziebach County. Further, Ziebach County has not enacted or currently enforces aquifer protection or surface water regulations more restrictive than the State of South Dakota. Therefore, all sites within the County were considered eligible for development.

Prior to or contingent upon acquiring a parcel for development, it is assumed other environmental factors potentially affecting the property would be addressed via a Phase I Environmental Assessment or similar process. It is recommended that developers consider undertaking such an inquiry prior to executing a major commitment to a particular location.

INFRASTRUCTURE

The term infrastructure is broad though in the context of property development the term includes essential services such as water, sewer, electrical, telecommunications, and roads. With regards to the rural site analysis process; access to quality roads, electrical capacity and water supply were deemed essential and identified as site selection criteria.

Transportation

Access to quality roads was identified as critical to determining the development potential of a parcel. The proximity of a potential development site to either a state or county road was established as one of the parameters in conducting the rural site analysis. In addition to utilizing the South Dakota Department of Transportation's road layer to identify roads and surface types, local experts were consulted to assist in identifying the road network. South Eastern Council of Governments requested Ziebach County to identify segments of the county road system inadequate to support a CAFO or AID. Sites accessed only by township roads that were located further than one mile from the intersection of a County or State hard surface road network were eliminated from the analysis.

A potential development site's proximity to certain road types impacted its designation. Those parcels abutting hard surface roads were consistently ranked higher than those served by gravel roads. In reviewing CAFO and AID sites, parcels adjacent to a county or state hard surface road were designated "Better" or "Best" for transportation resources. Parcels adjacent to county gravel roads or within one mile of an intersection with a county/state road network were designated "Good" for CAFO sites. Parcels within one mile of an intersection with a county/state hard surface road network were designated "Good" for AID sites.

Access to rail was also considered to be an important factor in locating an AID site. Parcels adjacent to rail facilities were designated “Best”. Parcels within one-half mile of rail were designated “Better” and those parcels within one mile of rail were designated “Good”. In addition, the analysis also considered sites within one mile of a community or at locations identified by the County, with or without rail. Those parcels within one mile of a municipality or at locations identified by the County that met necessary requirements, except access to rail, were designated as “Good” and “Better”.

Electric Supply

Access to 3-phase power was designated as a site characteristics criterion for both CAFO and AID development. South Eastern Council of Governments contacted Moreau-Grand Electric Cooperative to obtain the location and capacity of the 3-Phase infrastructure within the county. All parcels whether for CAFO or AID development adjacent to a 3-phase power line were designated “Best” for electricity resources. Whereas, parcels within one mile of a three-phase power line were designated “Better” and those within two miles of a three-phase power line were designated “Good”.

Water Supply

The ability to secure specific information regarding a rural water system’s operations to include storage, distribution, and capacities proved to be the most complex and difficult component of the infrastructure analysis. Due to this, water resources were evaluated differently than transportation and electric infrastructure. While transportation and electric infrastructure were classified based primarily upon location and availability of three-phase power, the analysis of rural water systems first required the evaluation of the water system, specifically, each system’s supply and distribution capacities.

Development sites were then selected upon the proximity to water service. The classifications with regards to water supply and their respective criteria are as follows:

1. **“Best” Classification**

a. CAFO

- i. High Water Use CAFO Site- If the site was adjacent to or within an area where a rural water system had sufficient supply **and** distribution capacity to provide 150,000 gallons per day, the site area was designated as “Best” for water resources.
- ii. Low Water Use CAFO Site - If the site was adjacent to or within an area where a rural water system had sufficient supply **and** distribution capacity to provide 30,000 gallons per day, the site area was designated as “Best” for water resources.

b. AID

- i. High Water Use AID Site- If the site was adjacent to or within an area where a rural water system had sufficient supply **and** distribution capacity to provide 410,000 gallons per day, the site area was designated as “Best” for water resources.
- ii. Low Water Use AID Site- If the site was adjacent to or within an area where a rural water system had sufficient supply **and** distribution capacity to capacity to provide 30,000 gallons per day, the site area was designated as “Best” for water resources.

2. “Better” Classification

a. CAFO

- i. High Water Use CAFO Site- If the site was within an area where a rural water system had either a sufficient supply or distribution capacity to provide 150,000 gallons per day, the site area was designated as “Better” for water resources.
- ii. Low Water Use CAFO Site- If the site was within an area where a rural water system had either a sufficient supply or distribution capacity to provide thirty thousand 30,000 gallons per day, the site area was designated as “Better” for water resources.

b. AID

- i. High Water Use AID Site- If the site was within an area where a rural water system had sufficient supply or distribution capacity to provide 410,000 gallons per day, the site area was designated as “Better” for water resources.
- ii. Low Water Use AID Site- If the site was within an area where a rural water system had sufficient supply or distribution capacity to provide 30,000 gallons per day, the site area was designated as “Better” for water resources.

3. “Good” Classification

- a. In the event the Rural Water System has neither supply nor distribution capacity to serve either a Low or High Water Use CAFO or Low Water Use AID as defined above, the site area was designated as “Good” for water resources if it was located within two miles of a river, stream or lake designated by SD DENR Administrative Rule 74:51:02 and 74:51:03 which assigns the following uses to rivers streams and lakes – domestic water supply, stock watering waters, irrigation waters, commerce and industry waters, cold water and warm water permanent fish life propagation waters. The analysis does not make any conclusions regarding the quantity or quality of the water source identified in SD DENR Administrative Rule 74:51:02 and 74:51:03. Only that the potential for a water source may exist. The designation as “Good” for water resources was not applied to High Water Use AID sites due to the water volume requirements of High Water Use AID sites and the lack of available data regarding the capacity of identified lakes and rivers and/or shallow aquifers. Therefore, High Water Use AID sites without a water resource designation of “Better” or “Best” were deemed unusable for the purpose of the analysis.

The site analysis sought to address whether or not the Rural Water Systems serving the region had excess water treatment capacity (supply) and their ability to serve potential properties (distribution). In order to address the issue of supply, the South Eastern Council of Governments contacted and requested location and capacity information from the rural water providers within Ziebach County. Tri-County/Mni Waste Water Company provides water to the county. The system was requested to provide information regarding their available treated water capacity. The system was asked to notate on maps those geographic areas where distribution capacity existed which could provide water volumes at 30,000, 150,000, and 410,000 gallons per day, respectively.

Water supply in Ziebach County is a major issue. The rural water service has instituted a moratorium on new service connections for the past several years because the current water treatment plant is performing at capacity. However, a new water treatment plant with more than twice the capacity of the current plant is currently under construction. Additionally, there is a plan to upsize distribution pipes to enable the water service to expand to underserved areas of the county though this project does not have a timeline in place yet.

Since there are plans for the expansion of the water system combined with the existence of water lines that are currently large enough to carry the study's required volumes, the analysis did not completely discount any site from being a potential site in this study due to the current lack of water. As such, all sites that have been identified in this study are identified as "Better" or "Good" are classified as such based upon their potential as a site once water supply is increased and the moratorium is lifted.

APPENDIX 2: RESEARCH AND METHODOLOGY

This section describes the methodology utilized to evaluate the suitability of potential CAFO or AID development sites.

Step 1: Identification of Site Assessment Criteria

Table A1 lists the site assessment criteria identified as being necessary to conduct an analysis of potential sites. Utilizing these criteria as a guide, a variety of research methods were employed to compile the GIS data sets utilized within the analysis. Research efforts included the examination of local, regional, and state planning documents along with existing GIS data layers.

Table A1: Site Assessment Criteria

CAFO Criteria	AID Criteria
Access to County and State Road Network	Access to County and State Road Network
Proximity to Three-Phase Electricity Supply	Proximity to Three-Phase Electricity Supply
Proximity to Rural Water System	Proximity to Rural Water System
Capacity of Rural Water System	Capacity of Rural Water System
Buildable Parcel	Buildable Parcel
	Proximity to Communities
	Proximity to Rail

Step 2: Evaluation of Site Assessment Criteria

After developing the data sets in **Table A1**, the analysis identified those site locations that were in close proximity to infrastructure necessary to support either CAFO or AID development.

Concentrated Animal Feeding Operation (CAFO) Analysis

The GIS analysis removed all parcels within the County from consideration that:

1. Were not within one mile of a County or State road;
2. Were not within two miles of three-phase electric power;
3. Did not meet the minimum standards for available water;
4. Did not contain a buildable footprint of at least 40 acres.

After applying the buildable footprint requirement to each site, the availability of necessary infrastructure was incorporated into the analysis. The general location of available water, electric and road infrastructure was applied to the remaining sites to establish “Good”, “Better” and “Best” hierarchy of potential development sites. **Table A2** exhibits the minimum requirements necessary for a site to be classified as “Good”, “Better” or “Best” for **CAFO development**.

Table A2: CAFO Hierarchy Classification Requirements

Location Criteria	Description	Good	Better	Best
Roads	Site is <u>adjacent</u> to County/State hard surface road		X	X
	Site is within <u>one (1) mile</u> of a County/State road	X		
Water	Site is <u>adjacent</u> to rural water system area that has both supply and distribution capacity to provide 150,000 gallons per day or 30,000 gallons per day			X
	Site is <u>adjacent</u> to or within rural water system area that has either supply or distribution capacity to serve either 150,000 gallons per day or 30,000 gallons per day		X	
	Site is within <u>two (2) miles</u> of a river, stream or lake designated by SD DENR Administrative Rule 74:51:02 and 74:51:03 which assigns the following uses to rivers streams and lakes – domestic water supply, stock watering waters, irrigation waters, commerce and industry waters, cold water and warm water permanent fish life propagation waters	X		
Electricity	Site is <u>adjacent</u> to three-phase power			X
	Site is within <u>one (1) mile</u> of three-phase power		X	
	Site is within <u>two (2) miles</u> of three-phase power	X		
Buildable Parcel	Site contains buildable area of at least forty <u>(40) acres</u>	X	X	X

Agriculturally-related Industrial Development (AID)

The GIS analysis removed all parcels within the County from consideration that:

1. Were not within one mile of a County or State hard surface road;
2. Were not within two miles of three-phase electric power;
3. Were not within one mile of rail, if applicable;
4. Were not within one mile of a community or at locations identified by the county;
5. Did not meet the minimum standards for available water;
6. Did not contain a buildable footprint of at least 40 acres.

After applying the required location based site assessment criteria to each site, the availability of necessary infrastructure was incorporated into the analysis. The general location of available water, electric, rail and road infrastructure was applied to the remaining sites to establish “Good”, “Better” and “Best” hierarchy of potential development sites. **Table A3** exhibits the minimum requirements necessary for a site to be classified as “Good”, “Better” or “Best” for **AID development**.

Table A3: AID Hierarchy Classification Requirements

Location Criteria	Description	Good	Better	Best
Roads	Site is <u>adjacent</u> to County/State hard surface road		X	X
	Site is within <u>one (1) mile</u> of a County/State hard surface road	X		
Rail	Site is <u>adjacent</u> to rail facility			X
	Site is within one <u>half (½) mile</u> of rail facility		X	
	Site is within <u>one (1) mile</u> of rail facility	X		
Water	Site is <u>adjacent</u> to rural water system area that has both supply and distribution capacity to provide 410,000 gallons per day or 30,000 gallons per day			X
	Site is <u>adjacent</u> to or within rural water system area that has either supply or distribution capacity to serve either 410,000 gallons per day or 30,000 gallons per day		X	
	Site is within <u>two (2) miles</u> of a river, stream or lake designated by SD DENR Administrative Rule 74:51:02 and 74:51:03 which assigns the following uses to rivers streams and lakes – domestic water supply, stock watering waters, irrigation waters, commerce and industry waters, cold water and warm water permanent fish life propagation waters *	X		
Electricity	Site is <u>adjacent</u> to three-phase power			X
	Site is within <u>one (1) mile</u> of three-phase power		X	
	Site is within <u>two (2) miles</u> of three-phase power	X		
Proximity to Community	Site is within <u>one (1) mile</u> of community	X	X	
Buildable Parcel	Site contains buildable area of at least <u>forty (40) acres</u>	X	X	X

*Rivers, streams, and lakes designated by SD DENR Administrative Rule 74:51:02 and 74:51:03 are not used for High Water Use AID site analysis as they require specific Rural Water System Supply and Distribution Capacities

Step 3: Site Development Recommendations

Based on the analysis, 147 quarter sections contained **615** Low Water and **0** High Water sites that could be classified as Good, Better, or Best for CAFO development (**Table A4**) and **18** quarter sections that contained **23** sites which could be classified as Good, Better, or Best for AID development (**Table A5**).

While this study only identifies those sites that met the required criteria for the analysis, it should be noted that other sites within the county may be satisfactory for CAFO and AID development. A site not within the specified distance of a hard surfaced County or State road or that does not have desired infrastructure (rail, water, power) within close proximity does not necessarily negate its development potential.

Table A4:
Ziebach County CAFO Sites by Hierarchy Classification

CAFO Site Classification	Good Sites	Better Sites	Best Sites
Low Water CAFO	100	69	0
High Water CAFO	0	0	0

Table A5:
Ziebach County AID Sites by Hierarchy Classification

AID Site Classification	Good Sites	Better Sites	Best Sites
Low Water AID	23	0	0
High Water AID	0	0	0

APPENDIX 3: CONTACT INFORMATION

South Eastern Council of Governments

Executive Director: Lynne Keller Forbes
GIS Technician/Planner: Kristen Benidt
Phone: 605-367-5390

First District Association of Local Governments

Executive Director: Todd Kays
GIS Coordinator: Ryan Hartley
Phone: 605-882-5115

Ziebach County

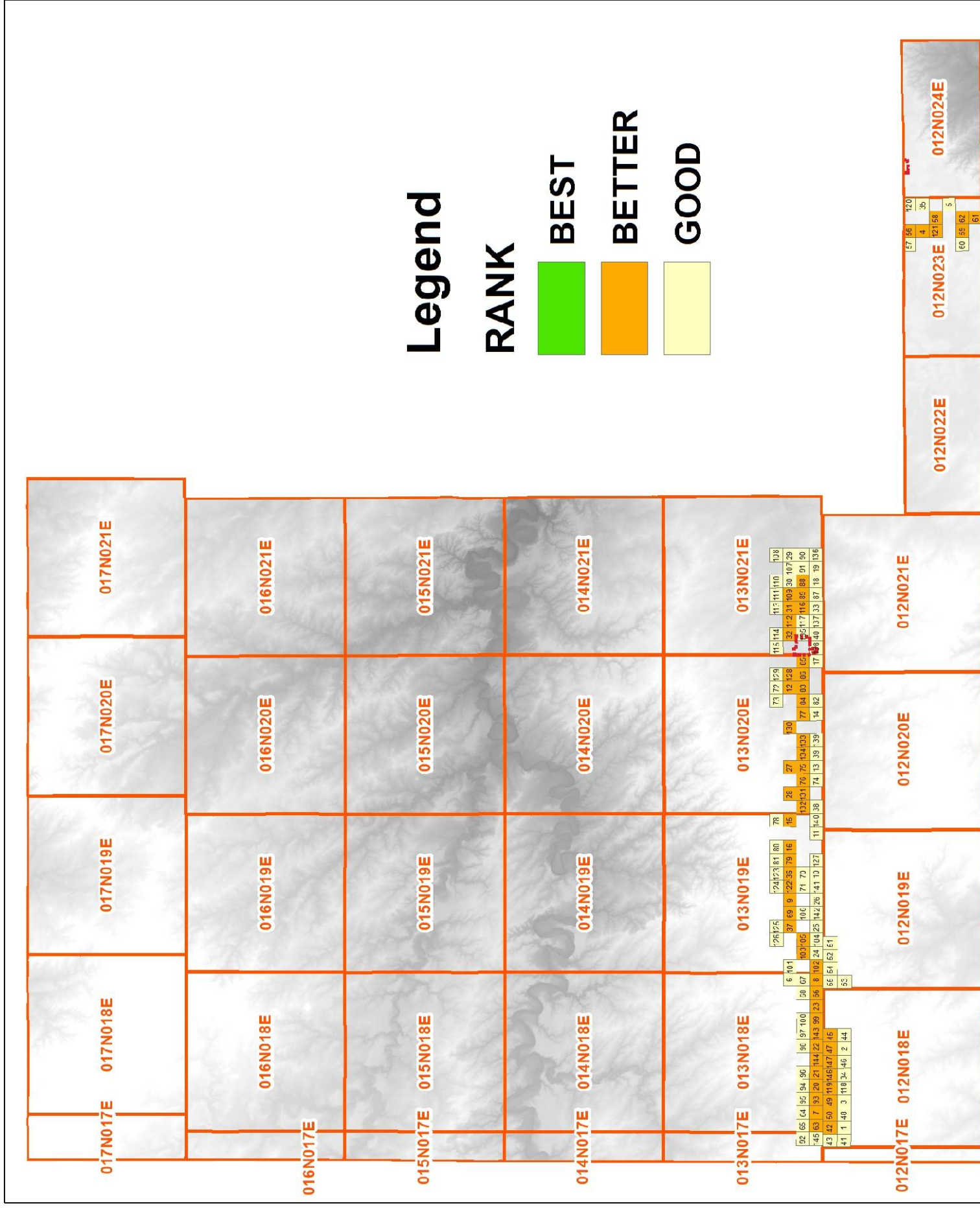
Clint Holmes
Directory of Equalization
Phone: 605-365-5129

Rural Water Systems

Tri-County/Mni Waste Water Co.
Leo Fischer, Manager
605-964-8778

Electric Providers

Moreau-Grand Electric Cooperative
Melissa Maher, General Manager
605-865-3511



ZIEBACH COUNTY LOW WATER CAFO SITES										
CAFO SITE INDEX	STATE RATING LOW WATER	PARCEL ID	TOWNSHIP NAME	LEGAL DESCRIPTION	DEEDED ACRES	OWNER 1	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP
1	GOOD	1790	012N018E	SE1/4	160	OLSEN RANCH LLC	150 FAIRWAY DR.	SPEARFISH	SD	57783-
2	GOOD	1773	012N018E	E1/2SE1/4	80	DBS FARMS L.L.C.	BOX 425	FAITH	SD	57626-
2	GOOD	1774	012N018E	W1/2SE1/4	80	DBS FARMS L.L.C.	BOX 425	FAITH	SD	57626-
3	GOOD	1786	012N018E	W1/2SE1/4	80	OLSEN RANCH LLC	150 FAIRWAY DR.	SPEARFISH	SD	57783-
3	GOOD	1785	012N018E	E1/2SE1/4	80	TOPF DENNIS AND LORI	2474 150TH STREET	CHARTER OAK	IA	51439-
4	BETTER	2476	012N023E	SE1/4 LESS 5 A.	155	LARSON RICHARD	BOX 8	EAGLE BUTTE	SD	57625-
5	GOOD	2486	012N023E	SE1/4	160	KOST FRED	BOX 307	EAGLE BUTTE	SD	57625-
6	GOOD	2714	013N018E	SE1/4	160	SCHAUER LAND COMPANY LLC	PO BOX 425	FAITH	SD	57626
7	BETTER	2741	013N018E	SE1/4 LESS R/W 2.86	157.14	TOPF DENNIS & LORI	2474 150TH. STREET	CHARTER OAK	IA	51439-
8	BETTER	2761	013N018E	SE1/4 LESS R/W	150.4	SCHAUER LAND COMPANY LLC	PO BOX 425	FAITH	SD	57626
9	BETTER	2862	013N019E	SE1/4 LESS R/W 5.07	154.93	FRAME THELMA	1020 PINE ST.	WHITEWOOD	SD	57793-
10	GOOD	2885	013N019E	SE1/4	160	TOPF DENNIS & LORI	2474 150TH. STREET	CHARTER OAK	IA	51439-
11	GOOD	2887	013N019E	SW1/4	160	TOPF DENNIS & LORI	2474 150TH. STREET	CHARTER OAK	IA	51439-
12	BETTER	2992	013N020E	SE1/4 LESS R/W 2.51	157.49	SCHAUER LAND COMPANY LLC	PO BOX 425	FAITH	SD	57626
13	GOOD	3013	013N020E	SE1/4	160	HOLLOWAY JOHNNY	BOX 450	EAGLE BUTTE	SD	57625-
14	GOOD	3021	013N020E	SE1/4	160	HOFFMAN RODNEY	PO BOX 231	DUPREE	SD	57623-
15	BETTER	2841	013N019E	SE1/4 LESS R/W 2.52	157.48	SCHAUER LAND COMPANY LLC	PO BOX 425	FAITH	SD	57626
16	BETTER	2845	013N019E	SE1/4 LESS R/W 2.63	157.37	SCHAUER DOUG ETAL	PO BOX 248	FAITH	SD	57626-
17	GOOD	3033	013N020E	SE1/4	160	HOFFMAN RODNEY & KANDICE	BOX 231	DUPREE	SD	57623

18	GOOD	3205	013N021E	SE1/4 LESS TRACT A & B	154.51	ROBINSON DALE	16525 300TH. AVE	GETTYSBURG	SD	57442-
19	GOOD	3209	013N021E	SW1/4	160	SCHAD SIDNEY & VERNA	BOX 85	LANTRY	SD	57636-
20	BETTER	2745	013N018E	SE1/4 LESS R/W 4.38	155.62	STARR A.J. & GLENDA	BOX 516	DUPREE	SD	57623-
21	BETTER	2748	013N018E	SW1/4 LESS R/W 3.12	156.88	WOODWARD DELBERT & NILA	BOX 81	DUPREE	SD	57623
22	BETTER	2752	013N018E	SW1/4 LESS R/W 2.51	157.49	WOODWARD DELBERT & NILA	BOX 81	DUPREE	SD	57623
23	BETTER	2757	013N018E	SE1/4 LESS R/W 2.74	157.26	GRIFFITH MARLENE	BOX 398	FAITH	SD	57626-
24	GOOD	2873	013N019E	SE1/4	160	WICKS LEROY	HCR 83 BOX 15	DUPREE	SD	57623-
25	GOOD	2877	013N019E	SE1/4	160	WICKS LEROY	HCR 83 BOX 15	DUPREE	SD	57623-
26	GOOD	2881	013N019E	SE1/4	160	ROSS RAYMOND & BETTE	BOX 22	FAITH	SD	57626-
27	BETTER	2999	013N020E	EAST 60 RODS OF SE1/4	60	VROOMAN DARLA	PO BOX 374	DUPREE	SD	57623-
27	BETTER	2998	013N020E	SE1/4 LESS EAST 60 RODS & R/W 2.51	97.49	SCHAUER FARMS LLC	PO BOX 425	FAITH	SD	57626-
28	BETTER	3003	013N020E	SE1/4 LESS 2.51 R/W	157.49	SCHAUER LAND COMPANY LLC	PO BOX 425	FAITH	SD	57626
29	GOOD	3148	013N021E	SE1/4	160	WOODWARD L.E. & MARLENE	BOX 220	DUPREE	SD	57623-
30	GOOD	3152	013N021E	SE1/4	160	WOODWARD L.E. & DELBERT	BOX 220	DUPREE	SD	57623-
31	BETTER	3159	013N021E	SE1/4 LESS R/W 5.45 & 3.03 ACRES AND LESS L.H3 (2.05)	149.47	PETERSEN ETAL LILA	BOX 67	DUPREE	SD	57623-
32	BETTER	3170	013N021E	ALL SOUTH OF RR IN SE1/4	48.09	STAMBACH FRED & GAIL	BOX 281	DUPREE	SD	57623-
32	BETTER	3169	013N021E	ALL NORTH OF HWY IN SE1/4 EXCEPT TRACT A & B	78.2	WOODWARD L.E. & DELBERT	BOX 220	DUPREE	SD	57623-
33	GOOD	3197	013N021E	SE1/4	160	ROBINSON DALE	16525 300TH. AVE	GETTYSBURG	SD	57442-
34	GOOD	1779	012N018E	SE1/4	160	TOPF DENNIS AND LORI	2474 150TH STREET	CHARTER OAK	IA	51439-
35	GOOD	2481	012N023E	SE1/4	160	BOWMAN JOE	BOX 690	EAGLE BUTTE	SD	57625-
36	BETTER	2860	013N019E	SE1/4 LESS R/W 7.60	152.4	TOPF DENNIS & LORI	2474 150TH. STREET	CHARTER OAK	IA	51439-

37	BETTER	2866	013N019E	SE1/4 LESS R/W 6.87	153.13	EATON MERTON & SHARON	HCR 83 BOX 6	DUPREE	SD	57623-
38	GOOD	3006	013N020E	L.3,N1/2SW1/4	79.82	BREHMER ELAINE	BOX 14	LANTRY	SD	57636-
38	GOOD	3007	013N020E	L.4,S1/2SW1/4	79.94	SMITH CALVIN JR.	BOX 16	LANTRY	SD	57636
39	GOOD	3017	013N020E	N1/2N1/2SW1/4	40	EDDY LARRY & IRENE	3865 BYRUM CRT.	RAPID CITY	SD	57703
39	GOOD	3018	013N020E	S1/2SW1/4, S1/2N1/2SW1/4	120	NELSON STEVEN & MARTE	320 S. 24TH ST	BILLINGS	MT	59101-4325
40	GOOD	3188	013N021E	E1/2NW1/4SE1/4,E1/2SE1/4,SW1/4SE1/4	140	STAMBACH FRED & GAIL	BOX 281	DUPREE	SD	57623-
41	GOOD	1789	012N018E	L.6,7,E1/2SW1/4	147.29	OLSEN RANCH LLC	150 FAIRWAY DR.	SPEARFISH	SD	57783-
42	BETTER	1787	012N018E	L.1,2,S1/2NE1/4	177.53	OLSEN RANCH LLC	150 FAIRWAY DR.	SPEARFISH	SD	57783-
43	GOOD	1788	012N018E	L.3,4,5,SE1/4NW1/4	162.9	OLSEN RANCH LLC	150 FAIRWAY DR.	SPEARFISH	SD	57783-
44	GOOD	1768	012N018E	SW1/4	160	TELLER KENNETH	BOX 71	FAITH	SD	57626-
45	BETTER	1767	012N018E	S1/2NW1/4	80	TELLER KENNETH	BOX 71	FAITH	SD	57626-
45	BETTER	1766	012N018E	L.3,4 NW1/4 LESS 2.51 A. R/W	100.21	TELLER KENNETH & DONNA	BOX 71	FAITH	SD	57626-
46	GOOD	1772	012N018E	SW1/4	160	DBS FARMS L.L.C.	BOX 425	FAITH	SD	57626-
47	BETTER	1770	012N018E	L.1,2,S1/2NE1/4 LESS 2.51 A. R/W	179.79	DBS FARMS L.L.C.	BOX 425	FAITH	SD	57626-
48	GOOD	1784	012N018E	SW1/4	160	OLSEN RANCH LLC	150 FAIRWAY DR.	SPEARFISH	SD	57783-
49	BETTER	1781	012N018E	L.1,SE1/4NE1/4 LESS .31 A. R/W & E1/2 E1/2 OF LOT 1	77.56	TOPF DENNIS AND LORI	2474 150TH STREET	CHARTER OAK	IA	51439-
49	BETTER	1780	012N018E	L.2,SW1/4NE1/4	89.67	OLSEN RANCH LLC	150 FAIRWAY DR.	SPEARFISH	SD	57783-
50	BETTER	1783	012N018E	L.3,4,S1/2NW1/4 LESS 2.19 A. R/W	178.25	OLSEN RANCH LLC	150 FAIRWAY DR.	SPEARFISH	SD	57783-
51	GOOD	1937	012N019E	L.1,2,S1/2NE1/4	185.47	TELLER KENNETH & DONNA	BOX 71	FAITH	SD	57626-
52	GOOD	1938	012N019E	L.3,4,S1/2NW1/4	185.21	TELLER KENNETH & DONNA	BOX 71	FAITH	SD	57626-
53	GOOD	1943	012N019E	L.6,7,E1/2SW1/4	152.46	TELLER KENNETH & DONNA	BOX 71	FAITH	SD	57626-

54	GOOD	1941	012N019E	L.1,2,S1/2NE1/4	184.91	TELLER KENNETH & DONNA	BOX 71	FAITH	SD	57626-
55	GOOD	1942	012N019E	L.3,4,5,SE1/4NW1/4	175.65	TELLER KENNETH & DONNA	BOX 71	FAITH	SD	57626-
56	BETTER	2472	012N023E	NE1/4 LESS ROW 13.53 ACRES	146.67	HUNT GLORIA	1081 WOODRIDGE DR.	RAPID CITY	SD	57701-
57	GOOD	2473	012N023E	N1/2 NW1/4	80	HUNT GARET	2387 HILLSIDE ST.	STURGIS	SD	57785-2580
57	GOOD	2474	012N023E	S1/2 NW1/4	80	HUNT JESSE	1081 WOODRIDGE DR.	RAPID CITY	SD	57701
58	BETTER	2483	012N023E	NW1/4 LESS R.O.W. 6.48 ACRES	153.52	VROOMAN DARLA	PO BOX 374	DUPREE	SD	57623-
59	BETTER	2525	012N023E	NE1/4	160	LAURENZ AUGUST & HELEN	BOX 69	EAGLE BUTTE	SD	57625-
60	GOOD	2526	012N023E	NW1/4	160	CATTLE COMPANY JD	BOX 140	EAGLE BUTTE	SD	57625
61	BETTER	2532	012N023E	SW1/4 LESS R.O.W. 6.01 ACRES	153.99	KOST STEVEN	408 NORTH JACKSON	PIERRE	SD	57501-
62	BETTER	2531	012N023E	S1/2NW1/4 LESS R.O.W. 3.11 ACRES	76.89	KOST STEVEN	408 NORTH JACKSON	PIERRE	SD	57501-
62	BETTER	2530	012N023E	N1/2NW1/4 LESS R.O.W. 3.07 ACRES	76.93	KOST FRED	BOX 307	EAGLE BUTTE	SD	57625-
63	BETTER	2740	013N018E	L.3,4,E1/2SW1/4 LESS R/W 2.51	157.26	OLSEN RANCH LLC	150 FAIRWAY DR.	SPEARFISH	SD	57783-
64	GOOD	2738	013N018E	NE1/4	160	OLSEN RANCH LLC	150 FAIRWAY DR.	SPEARFISH	SD	57783-
65	GOOD	2739	013N018E	L.1,2,E1/2NW1/4	159.31	OLSEN RANCH LLC	150 FAIRWAY DR.	SPEARFISH	SD	57783-
66	BETTER	2760	013N018E	SW1/4 LESS R/W 9.33	150.67	SCHAUER LAND COMPANY LLC	PO BOX 425	FAITH	SD	57626
67	GOOD	2758	013N018E	NE1/4	160	SCHAUER LAND COMPANY LLC	PO BOX 425	FAITH	SD	57626
68	GOOD	2759	013N018E	NW1/4	160	SCHAUER LAND COMPANY LLC	PO BOX 425	FAITH	SD	57626
69	BETTER	2861	013N019E	SW1/4 LESS R/W 6.10	153.9	FRAME THELMA	1020 PINE ST.	WHITEWOOD	SD	57793-
70	GOOD	2882	013N019E	NE1/4	160	TOPF DENNIS & LORI	2474 150TH. STREET	CHARTER OAK	IA	51439-
71	GOOD	2883	013N019E	NW1/4 LESS R/W 4 ACRES CEMETARY 4 ACRES	152	KLEIHAUER HAROLD	706 S.D. HWY 11	ALCESTER	SD	57001-

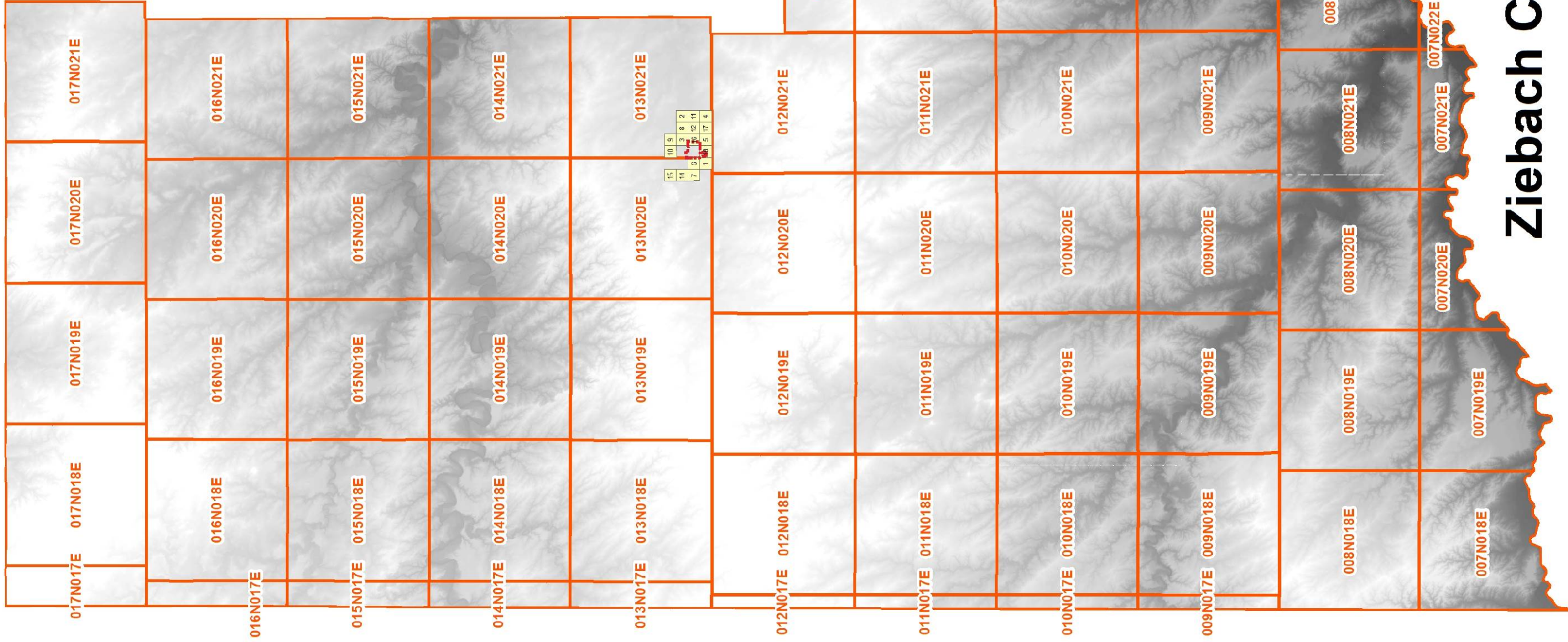
72	GOOD	2988	013N020E	NE1/4	160	PESICKA DAVID & LINDA	BOX 211	DUPREE	SD	57623-
73	GOOD	2989	013N020E	NW1/4	160	PESICKA DAVID & LINDA	BOX 211	DUPREE	SD	57623-
74	GOOD	3012	013N020E	SW1/4	160	ROBINSON KATHRYN	28801 220TH STREET NW	GEARY	OK	73040-4230
75	BETTER	3009	013N020E	NE1/4 LESS R/W 2.51	157.49	GARRETT JOHNILYN	PO BOX 455	DUPREE	SD	57623-
76	BETTER	3010	013N020E	NW1/4 LESS 10 ACRE TRACT & R/W 2.51	147.49	BREHMER ELAINE	BOX 14	LANTRY	SD	57636-
77	BETTER	3020	013N020E	NE1/4 LESS R/W 2.51 A.	157.49	HOFFMAN RODNEY	PO BOX 231	DUPREE	SD	57623-
78	GOOD	2840	013N019E	NE1/4	160	TOPF DENNIS & LORI	2474 150TH. STREET	CHARTER OAK	IA	51439-
79	BETTER	2844	013N019E	SW1/4 LESS R/W 8.93	151.07	SCHAUER DOUG ETAL	PO BOX 248	FAITH	SD	57626-
80	GOOD	2842	013N019E	NE1/4	160	SCHAUER DOUG ETAL	PO BOX 248	FAITH	SD	57626-
81	GOOD	2843	013N019E	NW1/4	160	SCHAUER LAND COMPANY LLC	BOX 425	FAITH	SD	57626-
82	GOOD	3024	013N020E	SW1/4	160	HOFFMAN RODNEY	PO BOX 231	DUPREE	SD	57623-
83	BETTER	3022	013N020E	NE1/4 LESS 2.51 A.	157.49	HOFFMAN RODNEY	PO BOX 231	DUPREE	SD	57623-
84	BETTER	3023	013N020E	NW1/4 LESS R/W 2.51	157.49	HOFFMAN RODNEY	PO BOX 231	DUPREE	SD	57623-
85	BETTER	3030	013N020E	LAND IN S1/2NE1/4	52.74	HOFFMAN RODNEY & KANDICE	BOX 231	DUPREE	SD	57623
85	BETTER	3029	013N020E	LAND IN N1/2NE1/4 LESS R/W 3.03	76.35	BREHMER RUSSELL/SHELLY	BOX 324	DUPREE	SD	57623-
86	BETTER	3032	013N020E	S1/2N1/2NW1/4, S1/2NW1/4	120	FARLEE ROBERT	BOX 163	DUPREE	SD	57623-
87	GOOD	3204	013N021E	SW1/4	160	ROBINSON DALE	16525 300TH. AVE	GETTYSBURG	SD	57442-
88	BETTER	3199	013N021E	PART NORTH OF RR IN NE1/4 LESS 7.28 HWY R/W	68.9	WOODWARD L.E. & DELBERT	BOX 220	DUPREE	SD	57623-
88	BETTER	3200	013N021E	PART SOUTH OF RR IN NE1/4 LESS TRACT A & B	92.2	ROBINSON DALE	16525 300TH. AVE	GETTYSBURG	SD	57442-
89	BETTER	3201	013N021E	PART NORTH OF RR IN NW1/4 LESS 5.92 HWY R/W	42.9	WOODWARD L.E. & DELBERT	BOX 220	DUPREE	SD	57623-
89	BETTER	3203	013N021E	PART SOUTH OF RR IN NW1/4	98.18	ROBINSON DALE	16525 300TH. AVE	GETTYSBURG	SD	57442-

90	GOOD	3206	013N021E	NE1/4 LESS R/W 6.64	153.36	WOODWARD L.E. & DELBERT	BOX 220	DUPREE	SD	57623-
91	GOOD	3207	013N021E	53.35 ACRES NORTH OF HWY R/W IN NW1/4	53.35	WOODWARD L.E. & DELBERT	BOX 220	DUPREE	SD	57623-
91	GOOD	3208	013N021E	NW1/4 LESS R/W 6.65 & 53.35	100	SCHAD SIDNEY & Verna	BOX 85	LANTRY	SD	57636-
92	GOOD	2618	013N017E	NE1/4	160	OLSEN RANCH LLC	150 FAIRWAY DR.	SPEARFISH	SD	57783-
93	BETTER	2744	013N018E	SW1/4 LESS R/W 4.30	155.7	STARR A.J. & GLENDA	BOX 516	DUPREE	SD	57623-
94	GOOD	2742	013N018E	NE1/4	160	STARR A.J. & GLENDA	BOX 516	DUPREE	SD	57623-
95	GOOD	2743	013N018E	NW1/4	160	STARR A.J. & GLENDA	BOX 516	DUPREE	SD	57623-
96	GOOD	2747	013N018E	NW1/4	160	WOODWARD DELBERT & NILA	BOX 81	DUPREE	SD	57623
97	GOOD	2750	013N018E	NE1/4	160	GRIFFITH MARLENE	BOX 398	FAITH	SD	57626-
98	GOOD	2751	013N018E	NW1/4	160	WOODWARD DELBERT & NILA	BOX 81	DUPREE	SD	57623
99	BETTER	2756	013N018E	SW1/4 LESS R/W 2.53	157.47	GRIFFITH MARLENE	BOX 398	FAITH	SD	57626-
100	GOOD	2755	013N018E	NW1/4	160	GRIFFITH MARLENE	BOX 398	FAITH	SD	57626-
101	GOOD	2869	013N019E	L.3,4,E1/2SW1/4	157.86	SCHAUER LAND COMPANY LLC	PO BOX 425	FAITH	SD	57626
102	BETTER	2872	013N019E	L.3,4,E1/2SW1/4 LESS R/W 7.38	152.17	SCHAUER LAND COMPANY LLC	PO BOX 425	FAITH	SD	57626
103	BETTER	2871	013N019E	NE1/4 LESS R/W 9.64	150.36	WICKS LEROY	HCR 83 BOX 15	DUPREE	SD	57623-
104	GOOD	2876	013N019E	SW1/4	160	WICKS LEROY	HCR 83 BOX 15	DUPREE	SD	57623-
105	BETTER	2875	013N019E	NW1/4 LESS R/W 9.60	150.4	EATON MERTON	HCR 83 BOX 6	DUPREE	SD	57623-
106	GOOD	2879	013N019E	NW1/4	160	KLEIHauer HAROLD	706 S.D. HWY 11	ALCESTER	SD	57001-
107	GOOD	3147	013N021E	SW1/4	160	WOODWARD L.E. & DELBERT	BOX 220	DUPREE	SD	57623-
108	GOOD	3145	013N021E	NE1/4	160	WOODWARD E LAWRENCE	BOX 97	DUPREE	SD	57623-
109	BETTER	3151	013N021E	SW1/4 LESS R/W .78 AND L.H3,H4 (1.52)	157.7	WOODWARD L.E. & DELBERT	BOX 220	DUPREE	SD	57623-

110	GOOD	3149	013N021E	NE1/4	160	WOODWARD L.E. & DELBERT	BOX 220	DUPREE	SD	57623-
111	GOOD	3150	013N021E	NW1/4 LESS R/W 6 A. AND LESS L.H1 (3.09)	150.91	STARR VERNON & SUE	BOX 517	DUPREE	SD	57623-
112	BETTER	3158	013N021E	SW1/4 LESS R/W 10.72	149.28	BURKE MAURICE	1275 JACOBSEN LN	GARDNERVILLE	NV	89410-
113	GOOD	3154	013N021E	S1/2NE1/4 LESS L.H1 (1.47)	78.53	PETERSEN ETAL LILA	BOX 67	DUPREE	SD	57623-
113	GOOD	3153	013N021E	N1/2NE1/4 LESS L.H1 (.57)	79.43	STARR VERNON & SUE	BOX 517	DUPREE	SD	57623-
114	GOOD	3161	013N021E	NE1/4	160	WOODWARD L.E. & MARLENE	BOX 220	DUPREE	SD	57623
115	GOOD	3162	013N021E	ALL EAST OF OLD HWY IN NW1/4	55	WOODWARD L.E. & DELBERT	BOX 220	DUPREE	SD	57623-
115	GOOD	3163	013N021E	L. 1,2, ALL WEST OF OLD HWY IN NW1/4	104.3	DENTON GALEN	BOX 315	DUPREE	SD	57623
116	GOOD	3192	013N021E	N1/2NE1/4 LESS R/W 3.25	76.75	PETERSEN ETAL LILA	BOX 67	DUPREE	SD	57623-
116	GOOD	3193	013N021E	S1/2NE1/4	80	ROBINSON DALE	16525 300TH. AVE	GETTYSBURG	SD	57442-
117	GOOD	3195	013N021E	S1/2NW1/4	80	ROBINSON DALE	16525 300TH. AVE	GETTYSBURG	SD	57442-
117	GOOD	3194	013N021E	N1/2NW1/4	80	STAMBACH FRED & GAIL	BOX 281	DUPREE	SD	57623-
118	GOOD	1778	012N018E	SW1/4	160	TOPF DENNIS AND LORI	2474 150TH STREET	CHARTER OAK	IA	51439-
119	BETTER	1776	012N018E	L.3,4,S1/2NW1/4 LESS .47 A. R/W & W1/2 OF LOT 4 & W1/2E1/2 OF LOT 4	142.83	TOPF DENNIS AND LORI	2474 150TH STREET	CHARTER OAK	IA	51439-
120	GOOD	2478	012N023E	E1/2NE1/4	80	BOWMAN JOESEPH	BOX 690	EAGLE BUTTE	SD	57625-
120	GOOD	2479	012N023E	W1/2NE1/4	80	BOWMAN JOSEPH	BOX 690	EAGLE BUTTE	SD	57625-
121	BETTER	2487	012N023E	NE1/4NE1/4	40	BROWN JAMES & MICHAEL	BOX 283	GETTYSBURG	SD	57442-
121	BETTER	2488	012N023E	W1/2NE1/4, SE1/4NE1/4	120	BROWN JAMES & MICHAEL	BOX 283	GETTYSBURG	SD	57442-
122	BETTER	2849	013N019E	OUTLOT A,B,D,LOT 2 OF OUTLOT E,OUTLOT F,LESS R/W 1.79,BLOCK 1 REDELM	96.2	TOPF DENNIS & LORI	2474 150TH. STREET	CHARTER OAK	IA	51439-
123	GOOD	2846	013N019E	NE1/4	160	TOPF DENNIS & LORI	2474 150TH. STREET	CHARTER OAK	IA	51439-
124	GOOD	2847	013N019E	NW1/4	160	TOPF DENNIS & LORI	2474 150TH. STREET	CHARTER OAK	IA	51439-

125	GOOD	2863	013N019E	NE1/4 LESS R/W 2.79	157.21	GRASLIE TOM	4818 ENCHANTED PINES DRIVE	RAPID CITY	SD	57701
126	GOOD	2864	013N019E	NW1/4	160	EATON MERTON	HCR 83 BOX 6	DUPREE	SD	57623-
127	GOOD	2886	013N019E	SW1/4	160	TOPF DENNIS & LORI	2474 150TH. STREET	CHARTER OAK	IA	51439-
128	BETTER	2985	013N020E	SW1/4 LESS R/W 1.26	158.74	WOODWARD L.E. & DELBERT	BOX 220	DUPREE	SD	57623-
129	GOOD	2984	013N020E	NW1/4	160	WOODWARD L.E. & DELBERT	BOX 220	DUPREE	SD	57623-
130	BETTER	2993	013N020E	SW1/4 LESS R/W 2.51	157.49	SCHAUER FARMS LLC	PO BOX 425	FAITH	SD	57626-
131	BETTER	3004	013N020E	NE1/4 LESS R/W 2.52	157.48	BREHMER ELAINE	BOX 14	LANTRY	SD	57636-
132	BETTER	3005	013N020E	L.1,2,E1/2NW1/4 LESS R/W 2.51	156.77	BREHMER ELAINE	BOX 14	LANTRY	SD	57636-
133	BETTER	3014	013N020E	NE1/4 LESS R/W 2.51	157.49	EDDY LARRY & IRENE	3865 BYRUM CRT.	RAPID CITY	SD	57703
134	BETTER	3016	013N020E	NW1/4 LESS R/W 2.51	157.49	EDDY LARRY & IRENE	3865 BYRUM CRT.	RAPID CITY	SD	57703
135	GOOD	3172	013N021E	E1/2W1/2NE1/4, E1/2NE1/4 LESS 4.22 R/W	95.78	STAMBACH FRED & GAIL	BOX 281	DUPREE	SD	57623-
136	GOOD	3210	013N021E	E1/2SE1/4	80	DEPOY PERRY & ARDIS	BOX 327	EAGLE BUTTE	SD	57625-0327
136	GOOD	3211	013N021E	W1/2SE1/4	80	WOODWARD L.E. & DELBERT	BOX 220	DUPREE	SD	57623-
137	GOOD	3196	013N021E	SW1/4 LESS R/W 1.35	158.65	STAMBACH FRED & GAIL	BOX 281	DUPREE	SD	57623-
138	GOOD	3176	013N021E	L.3,4,E1/2SW1/4 LESS 27.20 AIRPORT AND CHURCH AND MENZEL ADDITION	131.94	MENZEL ROBERT	BOX 153	DUPREE	SD	57623-
139	GOOD	3019	013N020E	N1/2N1/2SE1/4	40	EDDY LARRY & IRENE	3865 BYRUM CRT.	RAPID CITY	SD	57703
139	GOOD	3015	013N020E	S1/2N1/2SE1/4, S1/2SE1/4	120	NELSON STEVEN & MARTE	320 S. 24TH ST	BILLINGS	MT	59101-4325
140	GOOD	2888	013N019E	SE1/4	160	SCHUCHHARDT DONALD & LUET	10947 SOUR DOUGH ROAD	BELLE FOURCHE	SD	57717-
141	GOOD	2884	013N019E	SW1/4	160	TOPF DENNIS & LORI	2474 150TH. STREET	CHARTER OAK	IA	51439-
142	GOOD	2880	013N019E	SW1/4	160	KLEIHAUER HAROLD	706 S.D. HWY 11	ALCESTER	SD	57001-

143	BETTER	2753	013N018E	SE1/4 LESS R/W 2.53	157.47	GRIFFITH MARLENE	BOX 398	FAITH	SD	57626-
144	BETTER	2749	013N018E	SE1/4 LESS R/W 2.51	157.49	WOODWARD DELBERT & NILA	BOX 81	DUPREE	SD	57623
145	GOOD	2621	013N017E	SE1/4 LESS R/W 2.52	157.48	OLSEN RANCH LLC	150 FAIRWAY DR.	SPEARFISH	SD	57783-
147	BETTER	1771	012N018E	L.3,4,S1/2NW1/4 LESS 2.52 A. R/W	179.42	DBS FARMS L.L.C.	BOX 425	FAITH	SD	57626-
147	BETTER	1775	012N018E	L.1,2,S1/2NE1/4 LESS 1.70 A. R/W	179.88	TOPF DENNIS AND LORI	2474 150TH STREET	CHARTER OAK	IA	51439-



Legend

RANK

BEST

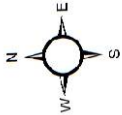
BETTER

GOOD

Ziebach County

County Site Analysis Program

Low Water Use AID Sites



ZIEBACH COUNTY LOW WATER AID SITES												
AID SITE INDEX	STATE RATING LOW WATER	PARCEL ID	TOWNSHIP NAME	SECTIONS	LEGAL DESCRIPTION	DEEDED ACRES	OWNER 1	OWNER 2	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP
1	GOOD	3033	013N020E	36	SE1/4	160	HOFFMAN RODNEY & KANDICE		BOX 231	DUPREE	SD	57623
2	GOOD	3159	013N021E	29	SE1/4 LESS R/W 5.45 & 3.03 ACRES AND LESS L.H3 (2.05)	149.47	PETERSEN ETAL LILA	WM & GAY MRAZ 1/4 INTEREST	BOX 67	DUPREE	SD	57623-
3	GOOD	3169	013N021E	30	ALL NORTH OF HWY IN SE1/4 EXCEPT TRACT A & B	78.2	WOODWARD L.E. & DELBERT	M.WOODWARD (FAMILY TRUST)	BOX 220	DUPREE	SD	57623-
3	GOOD	3170	013N021E	30	ALL SOUTH OF RR IN SE1/4	48.09	STAMBACH FRED & GAIL		BOX 281	DUPREE	SD	57623-
4	GOOD	3197	013N021E	32	SE1/4	160	ROBINSON DALE		16525 300TH. AVE	GETTYSBURG	SD	57442-
5	GOOD	3188	013N021E	31	E1/2NW1/4SE1/4,E1/2SE1/4,SW1/4SE1/4	140	STAMBACH FRED & GAIL		BOX 281	DUPREE	SD	57623-
6	GOOD	3029	013N020E	36	LAND IN N1/2NE1/4 LESS R/W 3.03	76.35	BREHMER RUSSELL/SHELLY		BOX 324	DUPREE	SD	57623-
6	GOOD	3030	013N020E	36	LAND IN S1/2NE1/4	52.74	HOFFMAN RODNEY & KANDICE		BOX 231	DUPREE	SD	57623
7	GOOD	3032	013N020E	36	S1/2N1/2NW1/4, S1/2NW1/4	120	FARLEE ROBERT	NANETTE FARLEE	BOX 163	DUPREE	SD	57623-
8	GOOD	3158	013N021E	29	SW1/4 LESS R/W 10.72	149.28	BURKE MAURICE	LIVING TRUST	1275 JACOBSEN LN	GARDNERVILLE	NV	89410-
9	GOOD	3161	013N021E	30	NE1/4	160	WOODWARD L.E. & MARLENE		BOX 220	DUPREE	SD	57623
10	GOOD	3162	013N021E	30	ALL EAST OF OLD HWY IN NW1/4	55	WOODWARD L.E. & DELBERT	M.WOODWARD (FAMILY TRUST)	BOX 220	DUPREE	SD	57623-

AID SITE INDEX	STATE RATING LOW WATER	PARCEL ID	TOWNSHIP NAME	SECTIONS	LEGAL DESCRIPTION	DEEDED ACRES	OWNER 1	OWNER 2	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP
10	GOOD	3163	013N021E	30	L. 1,2, ALL WEST OF OLD HWY IN NW1/4	104.3	DENTON GALEN		BOX 315	DUPREE	SD	57623
11	GOOD	3192	013N021E	32	N1/2NE1/4 LESS R/W 3.25	76.75	PETERSEN ETAL LILA	WM & GAY MRAZ 1/4 INTEREST	BOX 67	DUPREE	SD	57623-
11	GOOD	3193	013N021E	32	S1/2NE1/4	80	ROBINSON DALE		16525 300TH. AVE	GETTYSBURG	SD	57442-
12	GOOD	3194	013N021E	32	N1/2NW1/4	80	STAMBACH FRED & GAIL		BOX 281	DUPREE	SD	57623-
12	GOOD	3195	013N021E	32	S1/2NW1/4	80	ROBINSON DALE		16525 300TH. AVE	GETTYSBURG	SD	57442-
13	GOOD	2478	012N023E	24	E1/2NE1/4	80	BOWMAN JOESEPH	JAMES D BOWMAN	BOX 690	EAGLE BUTTE	SD	57625-
14	GOOD	2985	013N020E	25	SW1/4 LESS R/W 1.26	158.74	WOODWARD L.E. & DELBERT	M. WOODWARD (FAMILY TRUST)	BOX 220	DUPREE	SD	57623-
15	GOOD	2984	013N020E	25	NW1/4	160	WOODWARD L.E. & DELBERT	M. WOODWARD (FAMILY TRUST)	BOX 220	DUPREE	SD	57623-
16	GOOD	3172	013N021E	31	E1/2W1/2NE1/4, E1/2NE1/4 LESS 4.22 R/W	95.78	STAMBACH FRED & GAIL		BOX 281	DUPREE	SD	57623-
17	GOOD	3196	013N021E	32	SW1/4 LESS R/W 1.35	158.65	STAMBACH FRED & GAIL		BOX 281	DUPREE	SD	57623-
18	GOOD	3176	013N021E	31	L.3,4,E1/2SW1/4 LESS 27.20 AIRPORT AND CHURCH AND MENZEL ADDITION	131.94	MENZEL ROBERT		BOX 153	DUPREE	SD	57623-